

Product Data Sheet

Product Name: microRNA-21-IN-3

Cat. No.: GC73454

Chemical Properties

Cas. No. 2766106-83-4

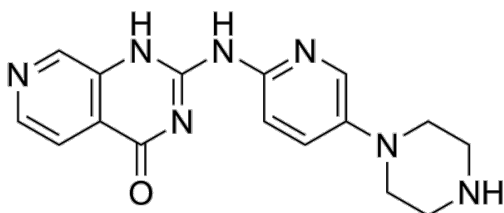
Formula $C_{16}H_{17}N_7O$ M.Wt 323.35

Solubility DMSO : 10 mg/mL (30.93 mM; ultrasonic and warming and heat to 80°C) Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

microRNA-21-IN-3 (compound 45) can specifically bind to the precursor of oncogenic and pro-inflammatory microRNA-21 with medium nanomolar affinity, reduce cancer cell proliferation and miR-21 levels, and can be used in antitumor research.

References:

[1]. Matthew D Shortridge, et al. Drug-Like Small Molecules That Inhibit Expression of the Oncogenic

Caution: Product has not been fully validated for medical applications. For research use only.

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MicroRNA-21. ACS Chem Biol. 2023 Feb 17;18(2):237-250.

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